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FILE: 5659-03700  
TH1962

April 24, 2001

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*BT B*

Brit Baker

ATTN: PATENT APPLICATION  
Commissioner for Patents  
Washington, D.C. 20231

Re: U.S. Patent Application Entitled **"IN SITU THERMAL PROCESSING OF A HYDROCARBON CONTAINING FORMATION TO PRODUCE A MIXTURE INCLUDING AMMONIA"** -- Vinegar, et al.

Sir:

Transmitted herewith for filing is a disclosure including a title page, a 274 page specification, 772 pages of claims (Claims 1-5395), and a one page abstract. In addition, we have also included 182 formal drawings on 163 sheets. The disclosure and drawings constitute the application of Harold J. Vinegar, Scott L. Wellington, Eric de Rouffignac, John M. Karanikas, Ilya E. Berchenko, George L. Stegemeier, Kevin A. Maher, Etuan Zhang, Gordon T. Shahin, James L. Menotti, John M. Coles, Thomas D. Fowler, Charlie R. Keedy, Ajay M. Madgavkar, Martijn van Hardeveld, Robert C. Ryan, Lanny Schoeling and Fred G. Carl for the above-entitled invention.

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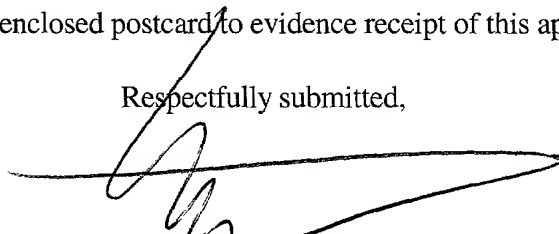
Please note that this application is filed without an inventor Declaration and filing fees. Applicant requests the Patent and Trademark Office to accept this application and accord a serial number and filing date as of the date this application is deposited with the U.S. Postal Service for Express Mail. Further, the Applicant requests that the NOTICE OF MISSING PARTS-FILING DATE GRANTED be sent to Mr. Del Christensen at the correspondence address set forth below.

Please address all correspondence in connection with this application to:

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Please date stamp and return the enclosed postcard to evidence receipt of this application.

Respectfully submitted,



Eric B. Meyertons  
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Enclosures

44-38861-1000

**PATENT**  
**5659-03700**  
**TH1962**

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**IN SITU THERMAL PROCESSING OF A HYDROCARBON CONTAINING FORMATION  
TO PRODUCE A MIXTURE INCLUDING AMMONIA**

By:

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